NOAA nautical charts are constructed to exacting standards and are designed to promote safe navigation. Since our waterways are subject to continual change, the National Ocean Service encourages chart users to submit corrections or comments for the improvement of this product to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852. By working together, we can make our activities safer and more enjoyable.

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Assistant Administrator for Ocean Services
and Coastal Zone Management

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Nautical Chart Catalog No. 2, Panels H, J

SOUNDINGS IN FATHOMS

16601

LORAN-C OVERPRINTED

UNITED STATES
ALASKA - SOUTH COAST
KODIAK ISLAND

CAPE ALITAK TO CAPE IKOLI K

Mercator Projection
Scale 1:80,905 at Lat. 57°05'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 9. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 17th Coast Guard District in Juneau, Alaska, or at the Office of the District Engineer, Corps of Engineers in Anchorage, Alaska.
Refer to charted regulation section numbers.

LORAN LINEAR INTERPOLATOR

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 2.82" southward and 3.06" westward to agree with this chart.

TOTAL INFORMATION

Place	Height referred to datum of soundings			Range (M.L.W.)	
Name	Mean Higher High Water	Mean Higher High Water	Mean Lower Low Water	Mean Range	Extreme Low Water
Lazy Bay (56°54'N./154°15'W.)	feet 11.7	feet 10.9	feet Tab. 11	feet 4.5	

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1)

Notes to navigation (lights and small areas) (obliterated insulated)

AERO aeronautical
Bn beacon
C can
DIA diaphone
F fixed
Fl flashing
G green
Gp group
Int interrupted quick
Iso isophase (E = H)
LT HO lighthouse
M nautical mile
Mo (M) morse
MICRO TR microwave tower
Mon monument
Or orange
Q quick
R red
Ra Ref ra
R (B) ran
W white
Y yellow
Bk black
Bu blue
Gn green
Or orange
R red
W white
Y yellow

Bottom characteristics
Bldr boulders
bk broken
Co clay
Co coral
G grave
Gy gravel
M mud
Pb pebbles
Rk rock
S sand
Sh shells
Sy silt
Sn stone
Sft soft
St stiff
Vy very

Miscellaneous
ACTV activated
ED evidence doubtful
Expl explosion
FA position approximate
FD position
Obstn obstruction
Rep reported
Wk wreck
(1) Rocks that cover and uncover, with heights in feet above datum of soundings
(2) Rocks that cover and uncover, with heights in feet above datum of soundings

HEIGHTS
Elevations of rocks and lights are in feet above Mean High Water; heights and sunken dangers are in feet and refer to Mean Low Water. Soundings and drying heights are in fathoms and refer to the datum of soundings. Heights of bridges and overhead cables are in feet above Mean High Water. Depths under bridges and overhead cables are in feet and refer to Mean Higher High Water. Heights of landmarks are in feet above the ground.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the U.S. Coast Guard.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 9 for navigational information.

LORAN-C
GENERAL EXPLANATION

COLREGS, 80 1705 (see note A)
International Regulations for Preventing Collisions at Sea, 1972.
The entire zone of this chart falls seaward of the COLREGS demarcation lines.

CAUTION
Significant changes in depths and shoreline may have occurred in the area of this chart as a result of the earthquake of March 27, 1964. Tide observations since the earthquake indicate bottom subsidence of ~0.6 feet at Lazy Bay. Mariners are urged to use extreme caution when navigating in the area of this chart as the magnitude of change exceed at this site is not known.

The contour lines are hill shapes, sketched to afford the navigator a generalized indication of the character of the land forms. They should not be relied upon as lines of equal elevation.

SOUNDINGS ON THIS CHART
EXAMPLE - Y 9990-X 9990-Y 9990-X

RATE
7960-X 7960-Y 7960-X

Lines of position overprinted on this chart have been prepared for use with ground wave signals. Lines are primarily compensated into propagation delays which have not been verified by observed data. Mariners are cautioned not to rely entirely on the lattices on this chart. Likewise corrections are not provided for theoretical lines which have not been verified by observation